

the operation control means executes processing which uses the multi-dimensional value.

57. A computer connected to a user input apparatus, according to claim 56, characterized in that

the operation control means compares and verifies a specified input operation performed by the user and a multi-dimensional value detected in the specified input operation to execute user authentication processing.

58. A control method for a computer connected to a user input apparatus for the user to input data or a command by using the human body, characterized by comprising:

a use-form detection step of detecting a form in which the user uses the user input apparatus by the user's human body; and

an operation control step of changing the operation of the application being executed by the application execution means, according to a detection result obtained in the use-form detection step, and

characterized in that

the user input apparatus is formed of a combination of a keyboard and a mouse;

in the use-form detection step, it is determined whether a first use mode in which the user can perform key inputs by using both hands or a second use mode in which the user uses the mouse by the left hand and can perform key inputs only by the other hand is used; and

in the operation control step, a usual text character is assigned to each key of the keyboard in the first use mode, and command functions are assigned to left-hand-operation keys of the keyboard in the second use mode.

59. A control method for a computer connected to a user input apparatus for the user to input data or a command by using the human body, characterized by comprising:

a use-form detection step of detecting a form in which the user uses the user input apparatus by the user's human body; and

an operation control step of changing the operation of the application being executed by the application execution means, according to a detection result obtained in the use-form detection step, and

characterized in that

in the use-form detection step, it is determined whether an another-terminal use mode in which the user is using a portable telephone or another information terminal by using at least one hand is used; and

in the operation control step, an application for driving the another terminal is activated in response to the detection of the another-terminal use mode in the use-form detection step.

60. A control method for a computer connected to a user input apparatus for the user to input data or a command by using the human body, characterized by comprising:

a use-form detection step of detecting a form in which the user uses the user input apparatus by the user's human body; and

an operation control step of changing the operation of the application being executed by the application execution means, according to a detection result obtained in the use-form detection step, and

characterized in that

in the use-form detection step, the form of use in which the user uses the user input apparatus by the user's human body is detected as a multi-dimensional value; and

in the operation control step, processing which uses the multi-dimensional value is executed.

61. A control method for a computer connected to a user input apparatus, according to claim 60, characterized in that

in the operation control step, a specified input operation performed by the user and a multi-dimensional value detected in the specified input operation are compared and verified to execute user authentication processing.

62. A user input apparatus for receiving data or a command input by the user to an information processing apparatus, characterized by comprising:

user input means for the user to perform an input operation by using a dielectric object, including the human body; and

detection means for detecting the position of a contact or an approach of the dielectric object and another state in a contact or approach state of the dielectric object as inputs in the input operation applied to the user input means, and

characterized in that

the another state comprises a multi-dimensional value related to the input operation applied by the dielectric object to the user input means.

63. A user input apparatus according to claim 62, characterized in that

the user input means comprises a capacitor of which the capacitance changes according to an approach or a contact of the dielectric object, and

the detection means detects the input operation according to a change in the capacitance.

64. A user input apparatus according to claim 63, characterized in that

the user input means comprises:

a plurality of transmission electrodes;

a transmitter for supplying alternating current to each of the transmission electrodes;

a plurality of receiving electrodes disposed so as not to contact each of the transmission electrodes; and

a receiver for receiving alternating current flowing through each of the receiving electrodes, and

the capacitor is formed at each of the intersections of the transmission electrodes and the receiving electrodes.

65. A user input apparatus according to claim 64, characterized in that

the user input means integrates detection values obtained according to changes in the capacitance of the capacitors formed at a plurality of the intersections.